NOTE:

WHEN YOU PURCHASE YOUR FERMAX DECT TELEPHONE, SPANISH IS DEFAULT LANGUAGE. TO SET ENGLISH AS HANDSET LANGUAGE FOLLOW STEPS DESCRIBED ON PAGE 47.

FERMAX DECT DIGITAL TELEPHONE USERS MANUAL REF. 1100

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TELEPHONE DESCRIPTION

Handset

Red light
Indicates either the phone is ringing or in use

Earpiece

Volume buttons
Use to adjust the handset and base volume. Move through menus.

Redial
To redial one of the 5 last numbers called

Calls
To view the last 20 calls/most recent calls.

Menu button
Use to access the options in the menu.

Correction/Privacy button
During a call press to mute the call so your caller cannot hear you talking to someone close by.

Phonebook
Use to store up to 50 names and numbers.

Conference button/Outdoor panel programming
Allows you to hold a three-way conversation.

Talk button
Use to make, receive and end calls.

Keyboard

Door opening

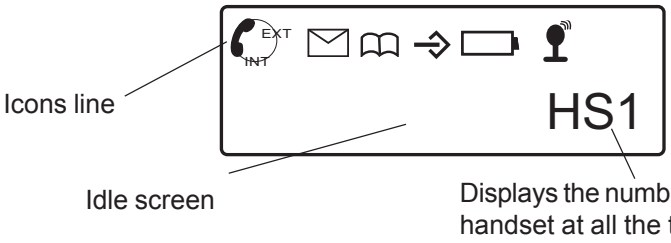
Recall button
Special functions and network services.

Microphone

Auxiliary device activation

Internal button/ Outdoor panel communication
To make internal calls between handsets registered to the base.

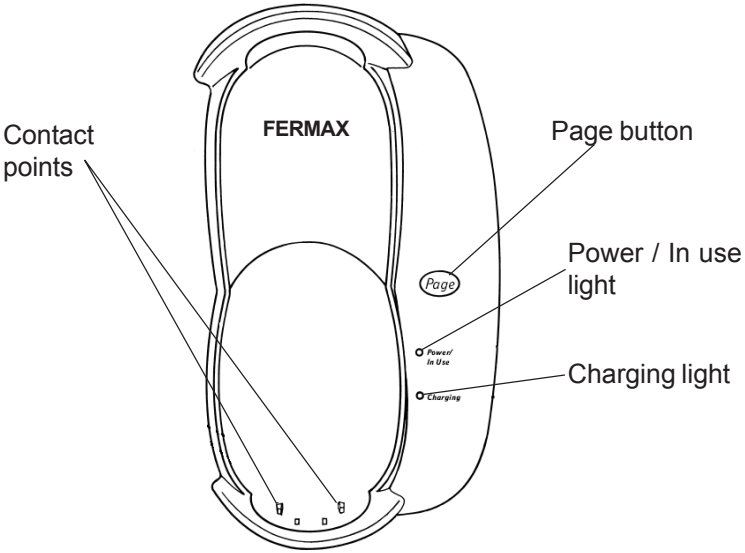
Display and icons



Every one of the running operations is associated to a symbol called icon. Icons meaning depends on their state whether it is fixed or blinking:

ICON	STEADY	FLASHING
EXT	External line in use	Incoming call
INT	Internal call	Internal call from another handset
	New call in calls list	
EXT INT	3 way conversation in progress	
		Battery exhausted
	Battery weak	
	Battery half-full	
	Battery full	
	Phonebook	
	Menu in use	
	Handset linked to base station	Handset out of range for base station

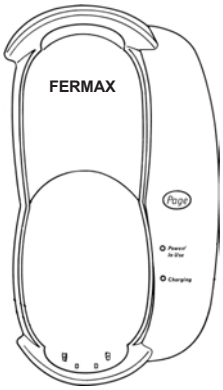
Base



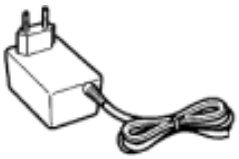
TELEPHONE INSTALLATION

The FERMAX KIT you have acquired is supplied with the following elements:

Handset



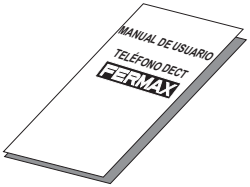
Base



Power adapter

Phone cable

Battery



User manual

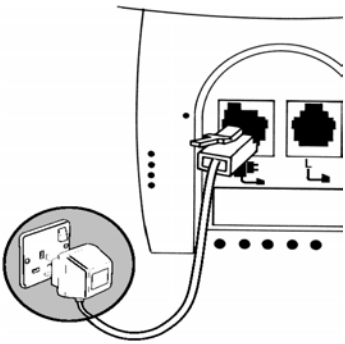
Setting up

Place your DECT FERMAX within 2m of the power and phone sockets, otherwise extension cables will be required.

Make sure the base is at least 1m away from other electrical devices to avoid interference.

Do not place it in the bathroom or other humid areas.

Connect the power supply adapter to the base as shown at figure below and plug the power supply cable into the mains power socket.The green Power / In Use light comes on.



Charge the handset battery pack for at least 16 hours. Place the handset on the base station. The red charging light will come on. Once the handset is fully charged the display shows the full battery icon.

Do not use the phone until your handset is fully charged, to prevent battery from reaching its optimum capacity.

Battery pack notes:

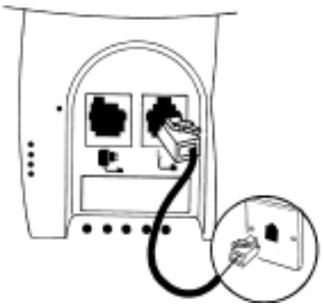
- √ ***After charging your handset for the first time (16 hours), subsequent charging time for the battery pack is approximately 6-8 hours a day. Battery pack and case may become warm during* charging, this is normal.**
- √ ***The handset battery pack should give about 12 hours talktime or 150 hours stand-by in a single charge.***
- √ ***However, new NiCad battery packs do not reach full capacity until they have been in normal use for several days.***

A battery pack is pre-installed within the handset. When you need to change or replace the battery pack, take the battery cover out, disconnect the small battery pack plug and replace the battery. Connect your new battery plug and replace battery cover.

WARNING!!

If you need to change your battery pack use only battery with same features as provided. Using any other type of battery will invalidate the telephone guarantee.

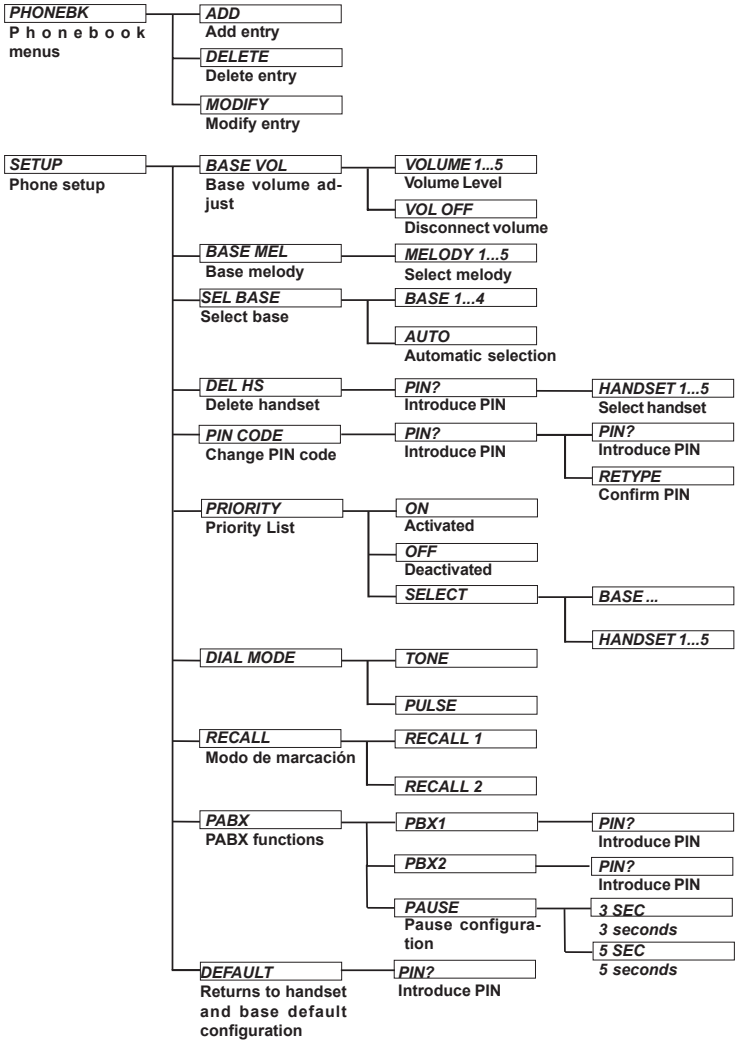
Connect the telephone line cord to the base station (after charging handset)

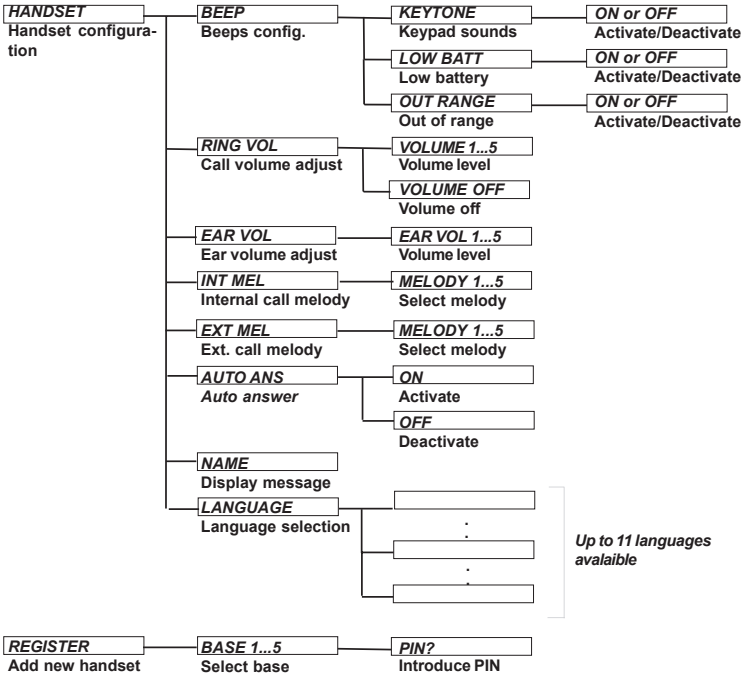


Note that telephone line and main supply power must be always connected.

USING THE TELEPHONE

Menu structure





The previous diagram show us the menus structure. Press Menu to enter the menus and to confirm your selection.

To scroll through the menus you can use Redial / Calls buttons.

If you make a mistake you can return to the previous menu heading by pressing the ✕ button. If you press and hold ✕ at any time you will return to the idle screen. After 30 seconds if no buttons are pressed the handset will automatically return to idle screen.

To switch on the handset

To switch the handset on and off

* Press and hold the Ⓡ button to switch the handset off.

*To switch the handset on press and hold the Ⓡ button again.

* To switch off the base station, remove the plug from power socket.

Quick Guide

Function	Key combination
Answer a call/End a call	
Make a call	
Redial a number	
Store a number in the memory	Menu Menu Menu *enter the name* Menu *enter the telephone number* Menu
Dial a number in the memory	
Adjust the earpiece volume	*Press the* Redial Calls *during a call until the required level is reached*
Privacy on/off	
Transfer call to another handset	Int. *enter the handset number*
Three-way conversation	Int. *enter the handset number* # Int.
Access to Redial and Calls list	Redial Calls *keep pressing to scroll*
Set handset ringer volume	Menu Calls *HANDSET* Menu Calls *RING VOL* Menu *to select volume* Redial Calls
Set base unit melody	Menu Calls *SETUP* Menu Calls *BASE MEL* Menu , Redial Calls *to select melody* Menu
To answer an outdoor panel call	and then * to open the door or 5 jkl to activate aux. function.
Outdoor panel communication from the telephone	2 abc Int. and then * to open the door or 5 jkl to activate the aux. function.

Call functions

Receiving a call

* The telephone rings and the display show *CALL* (If you are subscribed to a Caller Display service you can see who is calling on your handset display)
* A blinking icon indicates whether is an external call(*EXT*) or an internal call(*INT*)

* To answer a call press button or if handset is on the base, simply pick it up and speak**.**

To make an external call

Normal dialling	Displayed Message
* Press and white dial tone. * Enter the number you want.	

Preparatory dialling	Displayed Message
* Enter the number to be dialled and press the button to dial. * If you make a mistake, press the button to remove the incorrect digit.	

* To finish a call press again or place the handset back on the base.
* The handset display shows automatically the call lenght during your call and also for a few seconds after it is complete.

Redial

You can redial up to 5 of the last numbers called. They are stored in the redial list. If you have stored a name associated to a number in the phonebook, the name will be displayed instead.

Follow these steps	Displayed Message
* Press Redial to enter the redial list. Hold the button pressed until you view the next number, in order of most recent first. * Press the button. The number is dialled automatically.	

Audio Functions

During a call you can adjust the **earpiece volume**, pressing Redial/ ▲ ▼ Calls buttons until you set the dessired level.

When telephone is in stand-by mode:

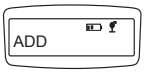
Follow these steps	Displayed Message
* Press Menu ✓ .	
* Move with ▼ Calls until *HANDSET* is displayed.	
* Press Menu ✓ and use arrows to move until the left shown display. Press Menu ✓ to confirm.	
* Choose desired level (1 to 5) using Redial/ ▲ ▼ Calls.	

During a call you can talk to someone in the same room, without your caller hearing. You can **activate/deactivate** the **Privacy/Mute** function pressing ✕.

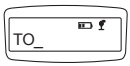
When the Privacy function is activated display shows MUTE.

Name and number and phonebook

You can store up to 50 names and numbers in the phonebook. Stored numbers cannot be longer than 20 digits.

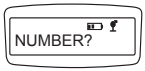
To store a name and number	Displayed Message
* Press Menu ✓ three times.	
* Enter the name (no longer than 8 characters).	

The following **example** show us how to introduce the name TONI in the Phonebook:

Follow these steps	Displayed Message
* Press (8 TUV) to introduce *T* .	
* Press three times (6 MNO) to introduce *O*.	
* Wait for the cursor move across the display and press (6 MNO) .	
* Press once (4 GHI) to introduce I.	
* If you enter a character incorrectly press ⊗ to delete it.	
* Press Menu ✓ to confirm the name. You will hear a confirmation beep.	

Note:

√ **Press (1) once to insert a space, press twice for a - (hypen) and press three times for the number 1.**

To store a name and number (II)	Displayed Message
* After you introduce the name the display shows *NUMBER?* then enter the telephone number you want to store.	
* Press Menu ✓ button and you will hear a confirmation beep.	
* Press and hold the ⊗ button to return to the idle screen.	

** You may want to enter a pause when storing a Phone Card number or if you connect your telephone to a switchboard.*

When storing the number press and hold the Redial button, until a *P* is displayed at the point where you want to enter the pause.

Call to a stored number — Displayed Message

* Press the button.

* Use the Redial / Calls buttons to find the entry you want, or, to search alphabetically press the relevant keypad number;

e.g. *to find TONI, press the TUV 8 button and scroll through the entries under T*

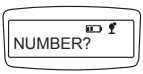
* Press the button to dial the number of the name displayed. The number is dialled automatically.

Edit stored names or numbers — Displayed Message

* Press Menu twice and then Redial.

* Press Menu again, and then scroll through phonebook entries by pressing Redial / Calls until you find the entry to modify.

* Press Menu once to edit name, or twice to edit number.

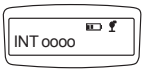


* Press Menu to confirm.

Delete a entry	Display Message
* Press the sequence Menu Menu Calls Menu to accede to names list. * Use arrows to find the entry you are going to delete. * Press Menu twice to delete the displayed entry. Then display will show: * To confirm press Menu. To cancel and return to the previous menu press ✖ .	

Handsets Search

You can alert handset users that they are wanted, or locate a missing handset, with the **Page function**.

Paging Handsets	Display Message
* **Start:** press the PAGE button on the base. The handset will ring and the display will show: * **Stop:** press again the PAGE button or any key on the handset.	

HANDSET SETTINGS

To switch keypad beeps ON and OFF	Displayed Message
* Press Menu . Use arrow keys to scroll to *HANDSET* and press the Menu button. * The display will show *BEEP*; press twice the Menu button.	

To switch keypad beeps ON and OFF(cont.)	Displayed Message
* Select *ON* to activate beeps or *OFF* to deactivate. Confirm to finish.	

To adjust the handset ringer volume

There are 5 volume levels and also the possibility of disconnect the ringer.

To adjust the handset ringer volume	Displayed Message
* Press the sequence Menu, Calls, Calls, Menu. The display will show:	
* Scroll with Calls until display shows *RING VOL* and confirm with Menu.	
* You will hear the current volume setting and it will be shown on the display. Use arrows to select the required volume (*VOLUME 1-5* o *VOLUME OFF*).	
* Confirm with Menu . You will hear a confirmation tone.	

To set the external/internal ringer melody

There are 5 melodies to choose from, and you have the option to select a different melody for external and internal calls:

External/internal ringer melody	Displayed Message
* Press Menu and Calls until display shows *HANDSET.* Confirm by pressing Menu.	
* Scroll with Calls to either *INT MEL* or *EXT MEL*. Press Menu button.	

External/internal ringer melody(cont.)	Displayed Message
* You will hear the current melody setting and it will be shown on the display. Use arrows to select desired melody. * Press Menu and you will hear a confirmation tone.	

Auto Talk

When the handset is on the base unit you can answer it only picking the handset up, and without pressing the Green Phone button.

Auto Talk	Displayed Message
* Press sequence Menu, Calls, Calls, Menu. The display shows: * Scroll until you find *AUTO ANS* and press Menu to confirm. * Select *ON* to activate and *OFF* to deactivate. Press Menu to confirm.	

To name a Handset

The handset name is preset as FERMAX, which appears on the display when telephone is on stand-by, however you can customize each handset by giving it a name.

To name a Handset	Displayed Message
* Press the sequence Menu, Calls, Calls, Menu; then the display will show: * Scroll with RedIal, RedIal. * After pressing Menu the current name will be displayed; delete pressing ⊗ and introduce the new text.	

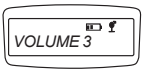
To set the handset language

Handset language	Displayed Message
* Press the sequence Menu, ▼ Calls, ▼ Calls. The display will show:	
* Press Menu, Redial and confirm with Menu. Scroll with ▼ Calls, Redial to select the desired lenguage.	
* Press Menu button and you will hear a confirmation beep.	

BASE SETTINGS

To adjust the base ringer volume

There are 5 levels to choose from (1-5) or you can turn the ringer off altogether.

Base ringer volume	Displayed Message
* Press the sequence Menu, ▼ Calls, Menu and the display will show:	
* Confirm with Menu and you will hear the current base volume. Scroll with arrows to select desired volume (*VOLUME 1-5* o *VOLUME OFF*).	
* Confirm your setting with Menu and you will hear a confirmation tone.	

To adjust the base ringer melody

There are 5 melodies to choose, or you can dissconect the ringer.

Base call melody	Displayed Message
* Press Menu, ▼ Calls, Menu, ▼ Calls buttons.	
* Confirm by pressing Menu. You will hear the current melody; scroll with arrows to change it. Confirm your selection by pressing Menu.	

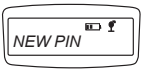
To select a base station

If a handset is registered to more than one base station, you can select which base your handset will use (up to 4).

Select a base	Displayed Message
* Press the sequence Menu Calls Menu .	
* Scroll with Calls to *SEL BASE* and press Menu .	
* Choose your preferred base station (1..4) or *AUTO*, to automatic selection.	

To change the base station PIN code

If you change the base station PIN, keep a record of the new number by writing it in the space provided below.

Change PIN	Displayed Message
* Press the sequence Menu Calls Menu .	
* Scroll with Calls to *PIN CODE* and press Menu .	
* Introduce the current PIN code (original setting 0000). Press the Menu. button.	
* Introduce your new 4 digit PIN and confirm.	
* Re-enter your new 4 digit PIN. Press Menu to confirm and you will hear a confirmation beep`.	
* Ensure you keep the new PIN . You can write it in the blank spaces.	

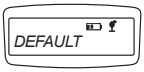
Reset the handset to their original factory settings

You can reset the telephone and change some parameters to the original/default factory settings. After the RESET the display will go blank. This will reset:

- Earpiece volume :	3
- Handset & Base ringer volume :	3
- Handset & Base melody :	1
- PIN code:	0000
- Handset name:	FERMAX
- Handset language:	SPANISH
- Buttons beeps:	ON
- Battery low indicator beeps:	ON
- Out of range warning beeps:	ON
- Auto answer:	ON
- Dialling mode:	DTMF
- Phonebook:	DELETED
- Redial List:	DELETED
- Calls list:	DELETED

IMPORTANT!

When you RESET the telephone ALL the names and numbers stored in the phonebook will be deleted.

Reset	Displayed Message
* Press the sequence Menu, Clear, Menu.	
* Scroll to *DEFAULT* and press the Menu button.	
* Enter the PIN code and press Menu.	
* The display will blink and you will hear a confirmation tone.	

NETWORK SERVICES

The functions detailed on the next paragraphs are provided by your network operator. Ask your Customer Service for its availability and details.

Caller Display

If you are subscribed to a Caller Display Service you can see who is calling you on your handset display, as well as the time and date of their call.

If you have stored a name associated with a number in your handset phonebook, the name will be displayed instead.

Calls List

The calls list contains the telephone numbers of your last 20 callers. New calls in the Calls List are indicated by the flashing ✉ symbol. When the Calls List is full the oldest entry will be automatically deleted.

To enter the Calls List

* Press the Calls button to enter the Calls List.
* Use Redial ▲ Calls ▼ to scroll through the Calls List.
* If the name of your caller is displayed, press the Menu ✓ button and the number will be displayed.
* Press Menu ✓ and the time of the call will be displayed.

Store a number from the Calls List	Displayed Message
* Press the Calls button to enter the CallsLlist. * Use Redial ▲ Calls ▼ to scroll to number you want to store. * Press three times Menu ✓ . * Enter the name as described before on the Phonebook section (see page 41).	

To delete a number from the Call list	Displayed Message
* Press Calls. Use Redial ▲ / Calls ▼ to scroll to number you want. * Press the Menu button three times. * Scroll to *DELETE* and press Menu twice.	

To delete all numbers from the Call list	Displayed Message
* Press Calls to enter the Calls list. * Press ✕; the display will show: * Press Menu and the display will show the confirmation message:	

Call Waiting

If you receive a new external call while you are already engaged on a telephone conversation, you will hear a soft beep every 5 seconds (this sound is not audible to the person you are speaking to).

To use Call Waiting

* You can answer the second call by pressing (R). The first caller will be on hold.
* You can return to the fist caller by pressing (R) button again .
* You can switch between the two calls without disconnecting either if you want.
* If you wish to disconnect the first call, press after speaking to the first caller. The handset will then ring.
* Press again and continue with the second caller.

USING ADDITIONAL HANDSETS AND BASES

Up to 5 terminals can be registered on your FERMAX DECT base (adding handsets + outdoor panels). This allows you to make internal calls between two handsets while other handset is making an external call.

Each handset can be registered on up to 4 bases but not simultaneously (see p.48).

Your DECT FERMAX handset supplied is pre-registered as handset 1 to its base (BASE 1).

√ *Only devices full compatible with DECT and GAP standards can be used. When display shows NOT SUB and symbol is blinking, the handset is not registered yet on the base. Follow the process described on the next paragraphs to register it.*

√ ***Although you can register up to 3 additional handsets, only the FERMAX KIT Handset will be able to fully operate with the outdoor panel.***

To register additional handsets

At the base

* Press and hold (PAGE) button for at least 10 seconds, until you hear the validation tone (two beeps), then release the button.

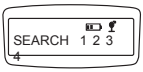
At the handset — Displayed Message

* Press Menu button to enter the menu.

* Scroll to *REGISTER* and press Menu.

* The display will show *BS 1 2 3 4* (Flashing numbers indicate other bases where handset is already registered). Enter the base number where you want to register the handset (FERMAX KIT Base is 1)

* Enter your 4 digit PIN and press Menu.

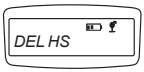


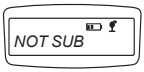
* The telephone will try to locate the base, and when they both link, the handset will be automatically selected and the conection icon will be shown on the display.

* If the handset does not locate the base, the handset will return to the previous menu. Try to register again by using a different available base number. Ensure that you are closer to the base

To de-register a handset from the base Displayed Message

* Press the sequence Menu, Calls, Menu.
* Scroll to *DEL HS* and confirm by pressing Menu.
* Introduce your PIN and confirm with Menu.
* Scroll with arrows to the handset you want to de-register.
* When you press again Menu you will hear a confirmation beep.





To de-register a handset, you will need an additional one because a handset can't de-register itself.

Internal Calls Displayed Message

* Press Int. and enter the number of the handset you wish to call (1-5).
* To end the call, press the button.

Transferring calls

* During an external call:
* Press Int. and enter the handset number you want to call (1-5).
* The current cald will be on hold. When the internal handset is answered, press and the call will be transferred.
* If the call to the second handset is not answered you can revert/ speak to the caller again by pressing Int. .

Three-way conversation

* You can talk to one external caller and another internal caller at same time. During a call with an external caller, proceed in the same way as previous paragraph and press (#) for 3 sec. when internal handset is answered.
* If the internal handset user does not answer your call, press (Int.) to return to your external caller.
* A three-way call can only be cleared by the handset which set it up, pressing (#) to exit the call.

Handset priority

Displayed Message

* Press the sequence Menu, Clear, Menu.
* Scroll to *PRIORITY* and press Menu.
* Scroll to *SELECT* and press Menu.
* Select the option you want, either base or handset you want to apply priority.
* Scroll to set the number of rings you require.
* Press Menu twice to confirm.

TROUBLESHOOTING

Symptoms	Possible Cause	Solution
- Blank display / Anything works	- Low batteries	- Charge batteries
- No line	- Unplugged telephone line.	-Check telephone line connection.
	- Line is busy.	- Wait until the other handset hangs up.

Symptoms	Possible Cause	Solution
- Handset cannot link up with the base station	- Out of Range - Low battery - You are using more than 1 base	- Try to go closer to base - Charge battery - Check that you are connected to the correct base
- No ring tone on the handset	- The ringer volume may be switched off	- Switch it on - Check base is plugged into the phone socket
-Buzzing noise on my radio, TV computer or hearing aid	-The telephone may interfer with other electrical equipment if they are too close	- Try to move it away

FUNCTIONS WITH THE FERMAX ENTRY SYSTEM,

This telephone along with the FERMAX DECT Outdoor Panel makes up the FERMAX DECT Entry System, offering a series of additional functions:

Outdoor panel communication

If we wish to communicate with the FERMAX Outdoor Panel from the FERMAX DECT Telephone without having received a call from the panel, we press:

* Press ② + (Int.)

If no key is pressed the communication will be cut off after 15 seconds, avoiding the system remaining activated if we make a call accidentally.

Door opening

During a call or when we have established communication with outdoor panel, we can open the door if we press (*) .

Auxiliary function

During a communication with outdoor panel we can activate the auxiliary function (light,...) by pressing (5) .

Programming mode

During communication with the outdoor panel we can enter/leave the Outdoor Panel programming mode by pressing: (#) .
When we are in programming mode we can configure the following parameters:

* Lock timing activated from the DECT telephone, pressing the following combination of keys :

  (1) +(n) , **n** is a number from 1 to 9 which indicates opening time, in seconds (4 seconds by default).

* Lock timing activated from the hallway (egress button), pressing the following key combination:

  (2) +(n) , **n** is a number from 1 to 9 which indicates opening time, in seconds (4 seconds by default).

* Auxiliary output activation time, pressing the following key combination:

  (3) +(n) , **n** is a number from 1 to 9 which indicates opening time, in seconds (4 seconds by default).

* Outdoor panel speaker volume, pressing the following key combination:

  (7)+(n), **n** is a number from 1 to 5 which indicates the speaker volume level (5 by default).

When we operate with outdoor panel we should take in consideration:

- Communication with the outside line and other additional telephones is two-way (full-duplex), whereas with the FERMAX Outdoor Panel it is one-way (half-duplex), which means that when you speak you do not hear the interlocutor.
- Communication timing is 80 seconds, which is reset every time we press a key.

FERMAX

DECLARATION OF CONFORMITY

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46017 VALENCIA (ESPAÑA)
CIF: A-460365554
Telef.: 96 317 80 00 FAX: 96 377 07 50
http://www.fermax.com
fermax@fermax.com

Certifies that the product:

DECT FERMAX TELEPHONE

Which is referred on this document, conforms the directives:

"Telecommunications and electromagnetic spectrum Directives "
- EN 301406 "Essential requirements to harmonization of DECT systems"
- TBR 10/3
- TBR 22 "DECT-GAP (GENERIC ACCESS PROFILE)"
- TBR 37 "Regulation for connection to the PSTN of terminal equipment with DTMF signalling"
- TBR 38 "Regulation for connection to the pan European PSTN of terminal equipment with DTMF signalling"

"Electromagnetic Compatibility Directives"
- ETS 300329

"Electric Safety Directive"
- EN 60950 "Safety on information technologies equipment"

Who below signs, representing FERMAX ELECTRÓNICA, S.A.E., declares that this device conforms the mandatory directives mentioned on this document, in agree with disposals on Directive 99/05/CE from European Parliament and Council of 9th March 1999.

Angel Peña
Technical Department Manager
Date: Valencia 26th February 2003